

## **Amendments to the Specification**

**Under the Title, Above Paragraph [0001], Add the Section Heading as follows:**

### **BACKGROUND OF THE INVENTION**

**In Between Paragraphs [0001] and [0002], Delete the Section Heading as follows:**

~~PRIOR ART~~

**Amend Paragraph [0001] as follows:**

[0001] The invention relates to a method to regulate a circulating air and/or intake air portion in a passenger compartment of a vehicle ~~in accordance with the pre-characterizing clause of Claim 1~~ and a sensor for detecting hazardous gas concentrations in the passenger compartment ~~in accordance with Claim 11~~.

**In Between Paragraphs [0004] and [0005] Replace the Section Heading as follows:**

~~ADVANTAGES OF THE INVENTION~~ SUMMARY OF THE INVENTION

**Amend Paragraph [0005] as follows:**

[0005] The method in accordance with the invention for regulating a circulating air and/or intake air portion in a passenger compartment of a vehicle ~~with the features cited in Claim 1~~ and the sensor to execute the method ~~in accordance with Claim 11~~ offers the advantage that the hazardous gas concentration, in particular the CO<sub>2</sub> concentration in the air of the passenger compartment can be detected quickly and in a precisely reproducible manner. The temperature-compensated sensor for detecting hazardous gas concentrations in the passenger compartment triggers a control unit, e.g., a servomotor with a circulating air flap, with its signals representing the temperature in the passenger compartment and its signals representing the hazardous gas concentration in the passenger compartment. The circulating air flap can be a part of a cooling/heating device, like an air conditioner for instance. In this case, either alternating exclusive operation with intake air or with circulating air for supplying the passenger compartment with air can be represented. It can also be expedient to modify the intake air and circulating air portions in terms of their respective size via the control unit and constitute the air supply of the passenger compartment with intake air and circulating air simultaneously.

**Delete Paragraph [00013]**

~~[00013]—Additional advantageous embodiments are yielded from the remaining features cited in the subordinate claims.~~

**In Between Paragraphs [00013] and [00014], Replace the Section Heading as follows:**

~~DRAWINGS~~ BRIEF DESCRIPTION OF THE DRAWINGS

**In Between Paragraphs [00016] and [00017], Replace the Section Heading as follows:**

~~DESCRIPTION OF THE EXEMPLARY EMBODIMENTS~~ DETAILED DESCRIPTION